

ECS Configuration Change Request

Page 1 of

Pages

CCR No. 96-0964	Logged Date 9/15/96	Rev.	Request Type
Priority Routine <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Emergency <input type="checkbox"/>	Affected Release A	Change Class	
Title (description) Additional PDPS hardware			
Documents Affected None		Source Nos (RID, NCR, etc.) or Tech Reference None	
RTM Change <input type="checkbox"/> Start New Baseline <input type="checkbox"/>			
Problem The Resource Management component of PDPS cannot be fully tested with regard to the management of local science processing disk space. To perform the remaining tests, the DPS developer's workstations each require 1, or more, filesystems which can be dedicated to that purpose. Additionally, each such filesystem (a.k.a. disk partition) must be purged of all contents from time to time as part of a reinitialization process. Currently, there are no filesystems available on the aforementioned workstations which can accommodate the tests in question.			
Proposed Solution Defining new filesystems on the existing workstation disks would require that each be reformatted to make room for an additional filesystem. Aside from the labor involved, the amount of disk space available for this purpose would severely limit the testing that could be performed; sacrificing too much of the existing disk for this purpose would impact the on-going development effort. Therefore, the solution that we are proposing calls for the acquisition of several external disks, each formatted with a single, large partition. Each of these external disks would then be attached to one of the following development workstations: windjammer, ariel, yakko, heron. Additionally, the external connection must be made in a manner which supports the NFS export of the filesystem to another workstation (i.e., read/write access not limited to the physical machine to which it is attached). The size requirement for each external disk can range from 0.5Gb to 10 Gb.			
Impact Analysis: Organizations Affected: BOO <input type="checkbox"/> Contracts <input type="checkbox"/> ESO <input type="checkbox"/> FOS <input type="checkbox"/> M&O <input type="checkbox"/> QA <input type="checkbox"/> Rel. A <input checked="" type="checkbox"/> Rel. B <input type="checkbox"/> Rel. IR1 <input type="checkbox"/> MRS <input type="checkbox"/> SMO <input type="checkbox"/> Subconts <input type="checkbox"/> Other _____ Cost: None <input type="checkbox"/> Small <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Large <input type="checkbox"/> (Not exceeding \$100,000) (\$100,000 to \$500,000) (Over \$500,000) Schedule: None <input type="checkbox"/> Other Tests must be completed by Oct. 1, 1996 Additional LOC _____ Man-Months _____ Materials _____			
Originator <u>David Heroux</u> _____ Signature _____ Date _____			
Office <u>DPS</u> _____ Signature _____ Date _____			
Disposition Approved <input type="checkbox"/> Approved w/Comment <input type="checkbox"/> Forward <input type="checkbox"/> Disapproved <input type="checkbox"/> Comments: This soln. does not mirror the actual hardware configuration for the mini-DAAC, which incorporates SGI-RAID. Nevertheless, this soln. will allow PDPS to exercise the Resource Management CSC to the fullest. CCB Chairperson _____ Signature _____ Date _____			

